

FIG. 1

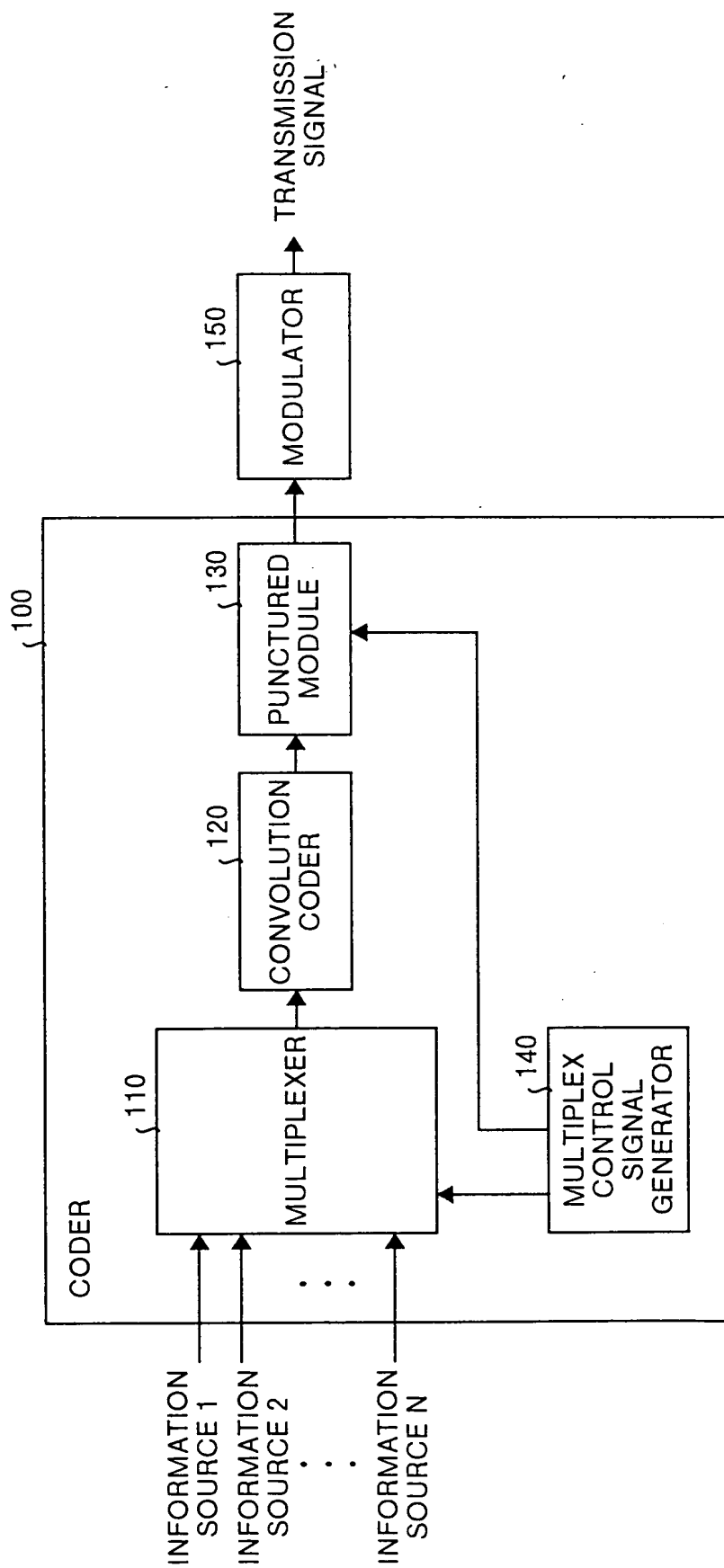
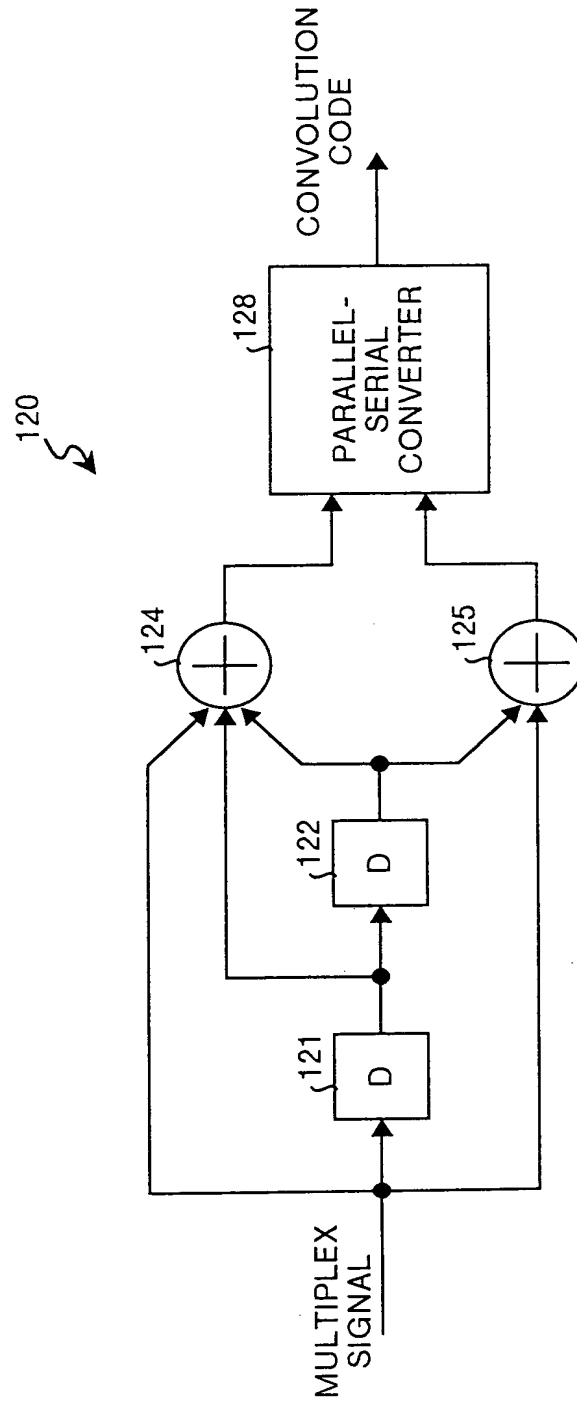


FIG. 2



The diagram illustrates the thinning-out process for different coding rates. The process starts with 'ORIGINAL DATA' and proceeds through 'CONVOLUTION CODING' and 'THINNING-OUT' to 'REARRANGEMENT'.

**ORIGINAL DATA**

**CONVOLUTION CODING**

**THINNING-OUT**

**REARRANGEMENT**

**Example 1: CODING RATE 3/4**

Original Data:  $d_0, d_1, d_2$

Coded Data:  $x_0, x_1, x_2, y_0, y_1, y_2$

Thinning Out:  $x_0, x_2, y_0, y_1$

Rearranged Data:  $x_0, y_0, y_1, x_2$

**Example 2: CODING RATE 2/3**

Original Data:  $d_0, d_1, d_2, d_3$

Coded Data:  $x_0, x_1, x_2, x_3, y_0, y_1, y_2, y_3$

Thinning Out:  $x_0, x_1, x_2, y_0, y_1, y_2$

Rearranged Data:  $x_0, y_0, y_1, x_2, x_3, y_2, y_3$

**Example 3: CODING RATE 5/6**

Original Data:  $d_0, d_1, d_2, d_3, d_4$

Coded Data:  $x_0, x_1, x_2, x_3, x_4, y_0, y_1, y_2, y_3, y_4$

Thinning Out:  $x_0, x_1, x_2, x_3, y_0, y_1, y_2, y_3$

Rearranged Data:  $x_0, y_0, y_1, x_2, x_3, y_2, y_3, x_4, y_3, x_4$

**Example 4: CODING RATE 7/8**

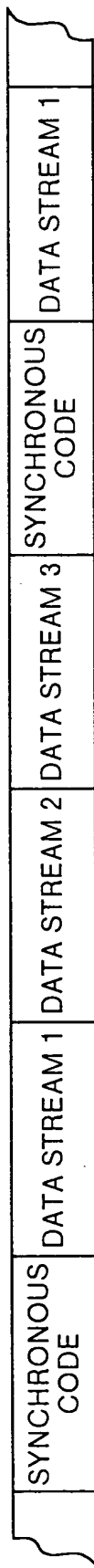
Original Data:  $d_0, d_1, d_2, d_3, d_4, d_5, d_6$

Coded Data:  $x_0, x_1, x_2, x_3, x_4, x_5, x_6, y_0, y_1, y_2, y_3, y_4, y_5, y_6$

Thinning Out:  $x_0, x_1, x_2, x_3, x_4, x_5, y_0, y_1, y_2, y_3, y_4, y_5$

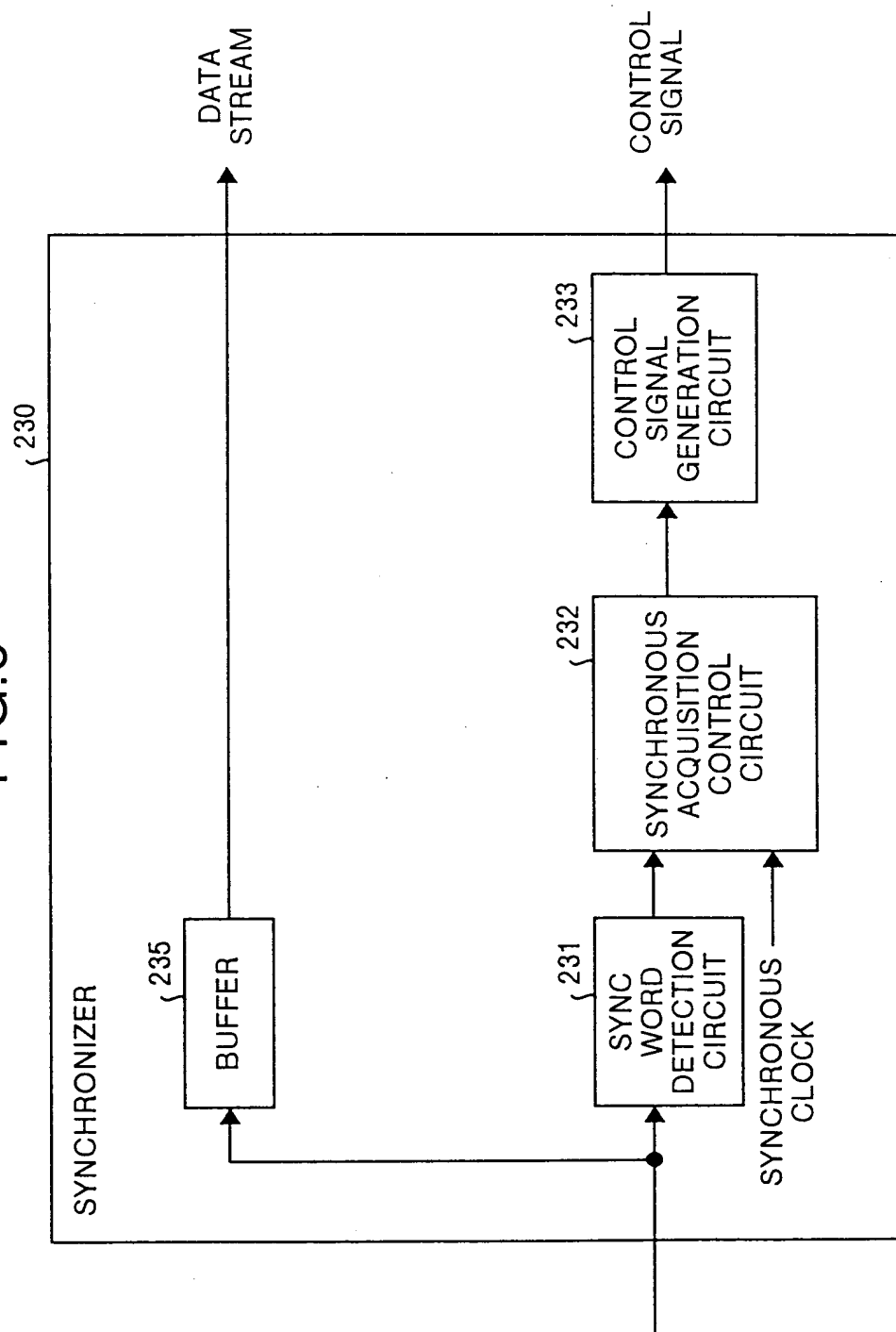
Rearranged Data:  $x_0, y_0, y_1, x_2, x_3, y_2, y_3, x_4, y_3, x_4, y_5, x_6, y_6$

FIG.4





## Fig. 6



**FIG. 7**

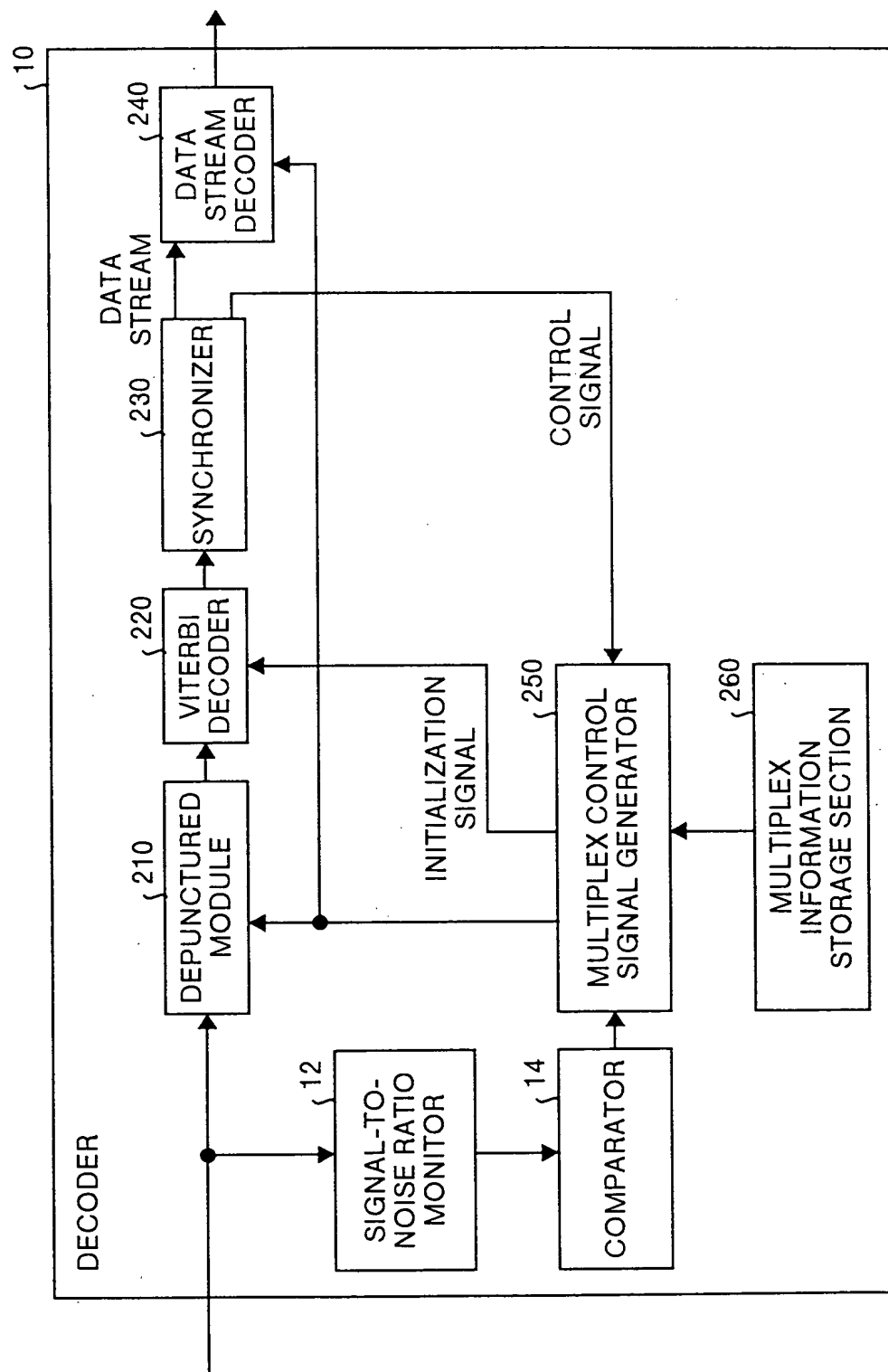


Fig. 8

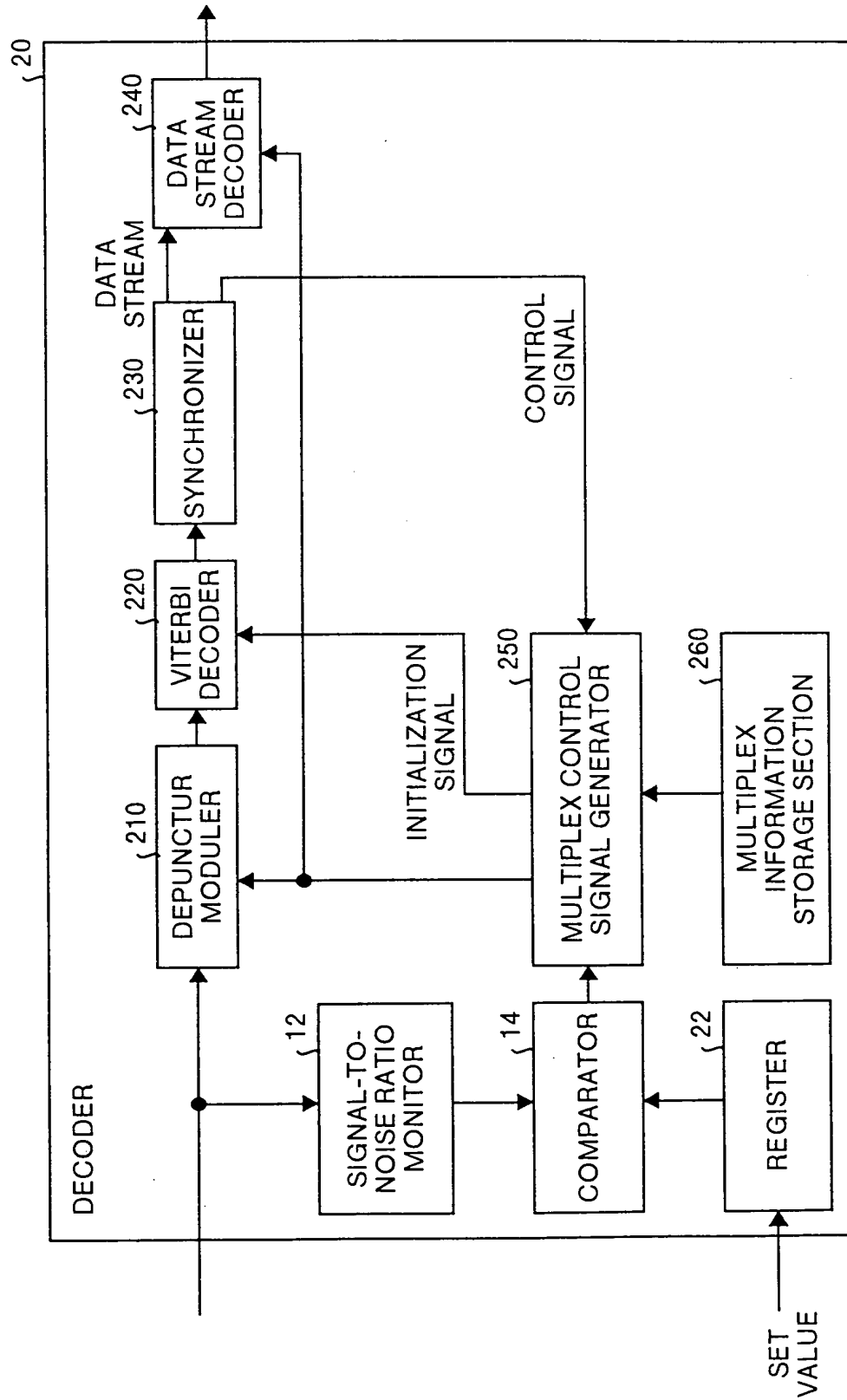






FIG.10

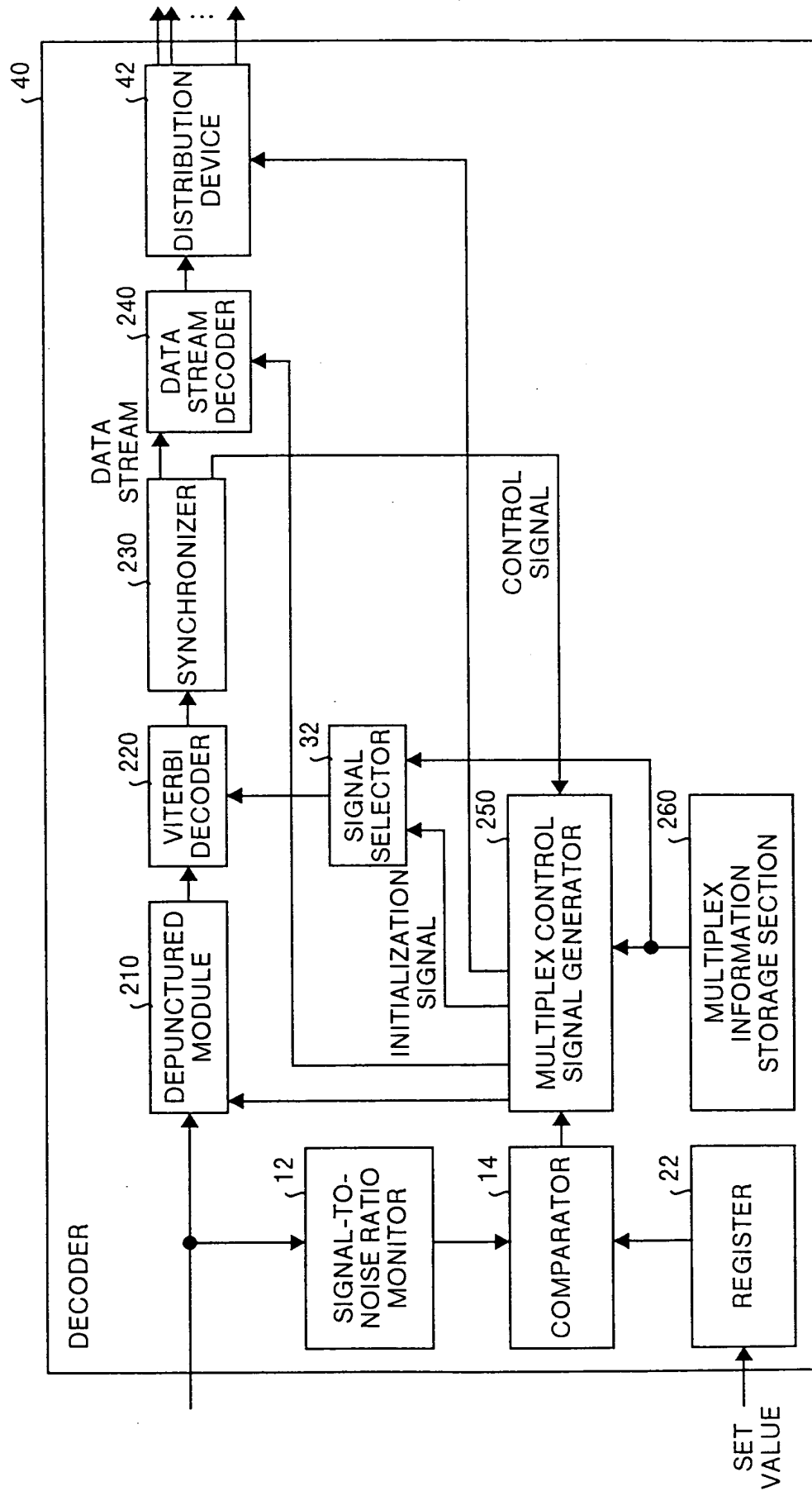


FIG. 11

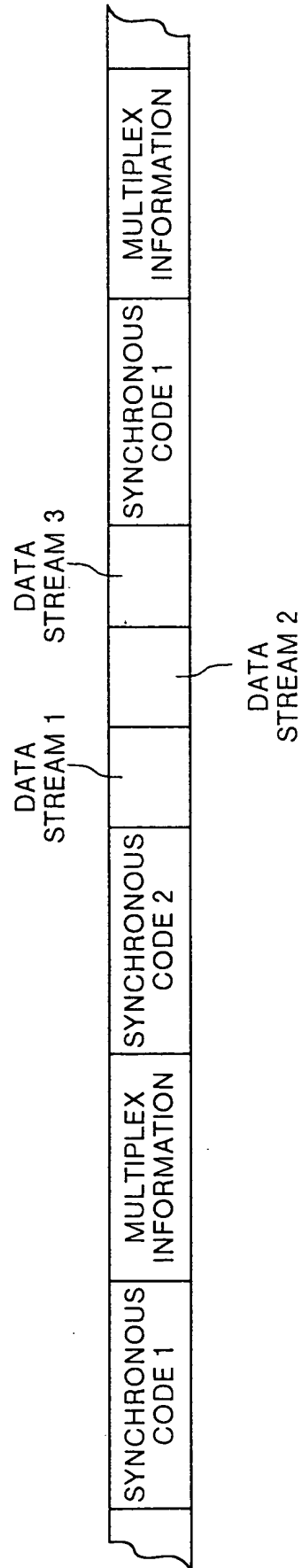


FIG. 12

